

COMMERCIAL & OFF-ROAD

R-1234yf

QUICK GUIDE

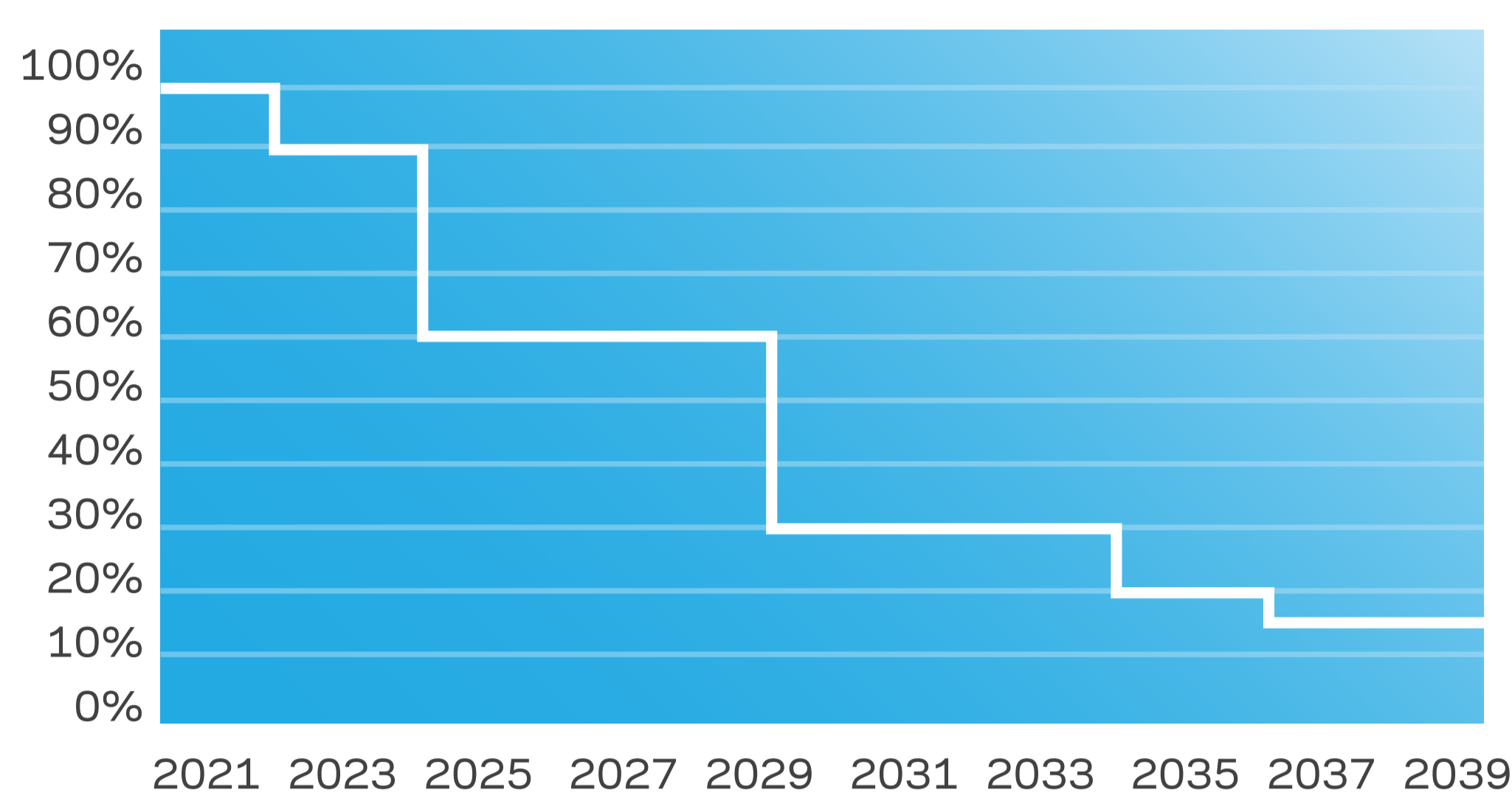


▶▶ Breaking Down the Transition to R-1234yf

WHY IS IT HAPPENING?

The American Innovation and Manufacturing (AIM) Act was enacted by Congress in 2020 to phase down the production and use of HFCs, such as R-134a, due to their high global warming potential (GWP). The AIM Act timeline phases down the usage of HFCs all the way down to 85% by 2036. As a result, the industry has turned to R-1234yf, which has a GWP of less than 1.

AIM Act HFC Phase Down Timeline



WHAT IS SNAP APPROVAL?

The Significant New Alternatives Policy (SNAP) Program was established under the Clean Air Act to identify, evaluate and approve viable substitutes for ozone-depleting substances.



▶ Effective June 2022, SNAP Rule 24 approved the use of R-1234yf in the following commercial vehicles:

▶ The following commercial vehicles are awaiting SNAP approval for R-1234yf, which is expected to happen in the near future:

VEHICLE TYPE	EXAMPLES
Agricultural Tractors >40 HP	
Self-Propelled Agricultural Machinery	
Compact & Turf Equipment >40 HP	
Construction, Forestry & Mining Equipment	
Commercial Use Utility Vehicles	

VEHICLE TYPE	EXAMPLES
HD Truck Class 7-8 Long-Haul Trucks Class 7-8 Short-Haul Trucks Class 7-8 Work Site Support	
Yard Tractor Class 7-8 Yard Tractor	
Refuse Truck Class 3-8 Refuse Truck	
MD Truck Class 3-6 Rural/Intercity Class 3-6 Work Site Support	
MD Step Van Class 3-8 Step Van	

R-1234yf USAGE IN THE US: 2021 VIEW*

95%

of new cars manufactured for sale in the US use R-1234yf.

90 million

cars on the road in the US use R-1234yf.

30%

of total registered vehicles in the US use R-1234yf.

15 million

R-1234yf vehicles exit factory warranty each year.

WHAT YOU CAN DO TO BE READY

KEEP UP with industry news to learn when new regulations occur and how they affect you.

PLAN for the phase down, with special attention to applications that require testing and validation processes.

EVALUATE your options for replacing high-GWP HFCs with low-GWP HFOs.

REVIEW your current suppliers to make sure they have both R-134a and R-1234yf to meet your needs today and tomorrow.

REACH OUT to Chemours for help. Our mobile air conditioning experts can help you navigate through the refrigerant transition.

WHY CHEMOURS?

Just because you have to change refrigerants doesn't mean you have to change suppliers. As the inventors of Freon™, Chemours owns and operates the largest R-134a and R-1234yf plants in the world, right here in the USA. Chemours is your one trusted source for Freon™ today and Opteon™ tomorrow, and we're here to guide you through the transition every step of the way.



Contact Us

*All data reflects Chemours estimates as of December 2022